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☐ 1. Document ID: US 6859572 B2

AB: A photon operating device is capable of more effectively using five senses and muscular or other functions humans have, and capable of performing various kinds of information processing as high-level interface connecting image information of natural worlds and human brains. The photon operating device comprises a plurality of first optical fibers, a plurality of second optical fibers, which both are arranged in form of a grating on a two-dimensional plane, semiconductor lasers and CCD line sensors, which both are disposed at one-side ends and the other ends of the first optical fibers, respectively. A photon beam introduced from a light source into one end of a selected first optical fiber is divided into two correlated dual signals, i.e. a first signal traveling through the selected first optical fiber and a second signal led out from the selected first optical fiber externally of the two-dimensional plane, at an intersection between the first and second optical fibers by an optical switch. The first signal led out from the other end of the selected first optical fiber is detected by a CCD line sensor.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Des
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☐ 2. Document ID: US 6800709 B2

AB: A method has been described of preparing monodisperse polymer particles by free radical polymerization or copolymerization of hydrophobic monomers in a water-based system in the presence of cyclodextrin, characterized in that said free radical polymerization is performed with semi-continuous addition of monomer, wherein said monomer is absent before initiating polymerization, and in that a total solid contents of less than 30% by weight is present in said water-based system, in order to provide monodisperse polymer particles which are very suitable for use in many applications as e.g. in inks or toners, in photonic crystal films, in thermal printing plates for computer-to-plate or computer-to-press applications, in inkjet media, in displays, in photographic films, or as a spacing agent.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Des
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☐ 3. Document ID: US 6685870 B2

AB:        Fine particles (23) are oriented and dispersed in a polymer medium to obtain a composite material (24), which is high-density compression molded to such a size that a photonic band gap develops, thereby obtaining a photonic crystal element (26). The orientation of the fine particles (23) in the polymer medium can be carried out on a scale (tens of micrometers to several millimeters) where required manipulations can be done with ease.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Attachments	Claims	KWIC	Draw. Des
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☐ 4. Document ID: US 6465742 B1

AB:        Disclosed is a three dimensional structure comprising a porous body and a plurality of regions having a substance loaded in the porous body. An average period of a part of the plural regions loaded with the substance is 0.1 to 2 .mu.m to form a photonic band.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Attachments	Claims	KWIC	Draw. Des
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☐ 5. Document ID: US 6456416 B1

AB:        There is provided a process for producing an optical element comprising a photonic crystal in which spots having different indices are arranged periodically, comprising the step of exposing an optical medium whose refractive index changes by irradiation of light or by a predetermined treatment conducted after the irradiation of light according to the intensity of the applied light to a field where light intensity changes in space at a period of the wavelength order of light and holding the optical medium for a given time, and the step of repeating at least once the step of creating another field where light intensity changes in space at a period of the wavelength order of light by shifting the optical medium. Further, by using a plurality of optical media whose refractive indices change by an external field, the refractive indices of certain two media out of these optical media are caused to be the same or about the same under a certain external field condition. By reflecting the distribution patterns that light senses under these two conditions on a desired crystal structure, shape of a lattice point and period, there can be provided an optical element and an optical demultiplexer that are capable of dynamically switching between two significantly different photonic structures by switching the external field conditions.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Attachments	Claims	KWIC	Draw. Des
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**PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = TODA

First Name = ATSUSHI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06747157</u>	4598237	150	06/20/1985	POWER WINDOW CONTROL APPARATUS	TODA, ATSUSHI
<u>06913129</u>	4733333	150	09/29/1986	CORNERING LAMP SYSTEM FOR VEHICLE	TODA, ATSUSHI
<u>07002947</u>	Not Issued	166	01/13/1987	METHOD AND APPARATUS FOR DETERMINING A ROTATION CENTER OF A ROTARY BODY	TODA, ATSUSHI
<u>07192292</u>	Not Issued	166	05/04/1988	METHOD AND APPARATUS FOR DETERMINING A ROTATION CENTER OF A ROTARY BODY	TODA, ATSUSHI
<u>07217062</u>	4860601	150	07/05/1988	APPARATUS FOR DETERMINING A ROTATION CENTER OF A ROTATING BODY	TODA, ATSUSHI
<u>07401535</u>	Not Issued	166	08/30/1989	METHOD AND APPARATUS FOR DETERMINING A ROTATION CENTER OF A ROTARY BODY	TODA, ATSUSHI
<u>07469876</u>	5068570	150	01/24/1990	LAMP LIGHTING CIRCUIT WITH AN OVERLOAD PROTECTION CAPABILITY	TODA, ATSUSHI
<u>07513020</u>	4970906	150	04/24/1990	METHOD AND APPARATUS FOR DETERMINING A ROTATION CENTER OF A ROTARY BODY	TODA, ATSUSHI
<u>07748113</u>	5295036	150	08/21/1991	LIGHTING CIRCUIT FOR VEHICULAR DISCHARGE LAMP	TODA, ATSUSHI
<u>07760420</u>	5151631	150	09/16/1991	LIGHTING CIRCUIT FOR VEHICULAR DISCHARGE LAMP	TODA, ATSUSHI

<u>07923503</u>	<u>5382876</u>	250	08/03/1992	CORD CONNECTION STRUCTURE FOR CONNECTING A BALLAST CIRCUIT AND A STARTER CIRCUIT	TODA, ATSUSHI
<u>08080979</u>	<u>5485059</u>	150	06/30/1993	LIGHTING CIRCUIT FOR VEHICULAR DISCHARGE LAMP	TODA, ATSUSHI
<u>08104559</u>	Not Issued	166	08/11/1993	SEMICONDUCTOR LASER	TODA, ATSUSHI
<u>08120467</u>	<u>5422548</u>	150	09/14/1993	A CUT-OFF VEHICULAR DISCHARGE LAMP CIRCUIT HAVING WAIT AND MONITOR MODES	TODA, ATSUSHI
<u>08197310</u>	<u>5459337</u>	250	02/16/1994	SEMICONDUCTOR DISPLAY DEVICE WITH RED, GREEN AND BLUE EMISSION	TODA, ATSUSHI
<u>08200417</u>	<u>5448974</u>	150	02/23/1994	ENGINE OUTPUT CONTROL	TODA, ATSUSHI
<u>08287939</u>	<u>5584559</u>	250	08/09/1994	HEADLAMP FOR A MOTOR VEHICLE	TODA, ATSUSHI
<u>08336052</u>	<u>5433170</u>	150	11/04/1994	METAL-ORGANIC CHEMICAL VAPOR-PHASE DEPOSITION PROCESS FOR FABRICATING LIGHT-EMITTING DEVICES	TODA, ATSUSHI
<u>08346918</u>	<u>5486740</u>	150	11/23/1994	LIGHTING CIRCUIT FOR VEHICULAR DISCHARGE LAMP HAVING DC/AC CONVERTOR	TODA, ATSUSHI
<u>08361691</u>	<u>5495492</u>	150	12/22/1994	SEMICONDUCTOR LASER HAVING AN ACTIVE LAYER WITH A FAN-SHAPED STRIPE WITH CURVED END SURFACES	TODA, ATSUSHI
<u>08455844</u>	<u>5616178</u>	150	05/31/1995	METHOD FOR GROWTH OF II- VI COMPOUND SEMICONDUCTORS	TODA, ATSUSHI
<u>08498438</u>	<u>5597740</u>	250	07/05/1995	SEMICONDUCTOR DISPLAY DEVICE AND A METHOD OF FABRICATING THE SAME	TODA, ATSUSHI
<u>08522087</u>	<u>5572094</u>	150	08/31/1995	LIGHTING CIRCUIT FOR DISCHARGE LAMP	TODA, ATSUSHI
<u>08525176</u>	<u>5629588</u>	150	09/08/1995	LIGHTING CIRCUIT UTILIZING DC POWER FOR A DISCHARGE LAMP UTILIZING AC POWER.	TODA, ATSUSHI

<u>08645408</u>	<u>5705898</u>	150	05/13/1996	LIGHTING CIRCUIT FOR DISCHARGE LAMP WHICH RESTRICTS INVERSION OF OUTPUT VOLTAGE POLARITY	TODA, ATSUSHI
<u>08648518</u>	<u>5663613</u>	150	05/13/1996	LIGHTING CIRCUIT FOR DISCHARGE LAMP	TODA, ATSUSHI
<u>08655483</u>	<u>5783908</u>	150	05/30/1996	A LIGHTING CIRCUIT WHEREIN THE ABNORMALITY DETECTION CIRCUIT GETS ITS POWER DIRECTLY FROM THE AUXILIARY POWER SUPPLY SECTION	TODA, ATSUSHI
<u>08795667</u>	<u>5828177</u>	150	02/06/1997	LIGHT CIRCUIT FOR DISCHARGE LAMP	TODA, ATSUSHI
<u>08798173</u>	<u>5907224</u>	150	02/10/1997	ABNORMALITY DETECTING CIRCUIT FOR DISCHARGE LAMP WITH DELAYED INTERRUPTION FOR UNDERVOLTAGE	TODA, ATSUSHI
<u>08814829</u>	<u>5900697</u>	150	03/11/1997	VEHICLE DISCHARGE LAMP LIGHTING CIRCUIT WITH CURRENT-LIMITING DC IMPEDANCE	TODA, ATSUSHI
<u>08833020</u>	<u>5925983</u>	150	04/03/1997	CIRCUIT FOR INHIBITING THE SUPPLY OF POWER TO A DISCHARGE LAMP	TODA, ATSUSHI
<u>08864898</u>	<u>6153987</u>	150	05/29/1997	LIGHTING CIRCUIT FOR DISCHARGE LAMP	TODA, ATSUSHI
<u>08987105</u>	<u>6031244</u>	150	12/08/1997	LUMINESCENT SEMICONDUCTOR DEVICE WITH A ANTIDIFFUSION LAYER ON ACTIVE LAYER SURFACE	TODA, ATSUSHI
<u>09006881</u>	<u>5936361</u>	150	01/14/1998	DISCHARGE LAMP LIGHTING CIRCUIT WITH LIGHTING CONDITION DETECTOR	TODA, ATSUSHI
<u>09006883</u>	<u>6087776</u>	150	01/14/1998	DISCHARGE LAMP LIGHTING CIRCUIT WITH PROTECTION CIRCUIT	TODA, ATSUSHI
<u>09078812</u>	<u>5973457</u>	150	05/14/1998	LIGHTING CIRCUIT FOR DISCHARGE LAMP	TODA, ATSUSHI
<u>09079194</u>	<u>6002215</u>	150	05/15/1998	LIGHTING CIRCUIT FOR DISCHARGE LAMP	TODA, ATSUSHI
<u>09092965</u>	<u>6034490</u>	150	06/08/1998	LIGHTING CIRCUIT FOR	TODA, ATSUSHI

				DISCHARGE LAMP	
<a href="#">09140773</a>	<a href="#">6034487</a>	150	08/26/1998	LIGHTING CIRCUIT FOR DISCHARGE LAMP	TODA, ATSUSHI
<a href="#">09358412</a>	Not Issued	161	07/22/1999	LIGHT EMITTING DEVICE AND PROCESS FOR PRODUCING THE SAME	TODA, ATSUSHI
<a href="#">09371896</a>	<a href="#">6183118</a>	150	08/11/1999	AUTOMATIC LEVELING APPARATUS FOR USE WITH AUTOMOBILE HEADLAMPS	TODA, ATSUSHI
<a href="#">09372050</a>	<a href="#">6332698</a>	150	08/11/1999	AUTOMATIC LEVELING APPARATUS FOR USE WITH VEHICLE HEADLAMPS	TODA, ATSUSHI
<a href="#">09417782</a>	<a href="#">6305823</a>	150	10/14/1999	AUTOMATIC LEVELING DEVICE FOR AUTOMATIVE VEHICLE HEADLAMPS	TODA, ATSUSHI
<a href="#">09502318</a>	<a href="#">6349251</a>	150	02/11/2000	AUTOMATIC AUTOMOBILE HEADLAMP LEVELING DEVICE	TODA, ATSUSHI
<a href="#">09502651</a>	<a href="#">6357898</a>	150	02/11/2000	AUTOMATIC AUTOMOBILE HEADLAMP LEVELING DEVICE	TODA, ATSUSHI
<a href="#">09522406</a>	<a href="#">6208089</a>	150	03/09/2000	DISCHARGE-LAMP LIGHTING CIRCUIT	TODA, ATSUSHI
<a href="#">09597837</a>	Not Issued	041	06/20/2000	FUNCTIONAL MATERIAL, PRODUCTION METHOD THEREFOR, FUNCTIONAL STRUCTURE, AND OPTICAL FUNCTIONAL DEVICE	TODA, ATSUSHI
<a href="#">09621656</a>	<a href="#">6639354</a>	150	07/21/2000	LIGHT EMITTING DEVICE, PRODUCTION METHOD THEREOF, AND LIGHT EMITTING APPARATUS AND DISPLAY UNIT USING THE SAME	TODA, ATSUSHI
<a href="#">09640234</a>	<a href="#">6445085</a>	150	08/16/2000	VEHICLE HEADLAMP LEVELING DEVICE	TODA, ATSUSHI
<a href="#">09641650</a>	<a href="#">6465906</a>	150	08/18/2000	ALIGNMENT DEVICE FOR A VEHICLE	TODA, ATSUSHI

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**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = AKAO

First Name = HIROTAKA

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">09822123</a>	6859569	150	03/30/2001	INFORMATION RECEIVING/DISPLAY APPARATUS AND INFORMATION RECEIVING/DISPLAY METHOD	AKAO, HIROTAKA
<a href="#">10044461</a>	6754408	150	10/23/2001	OPTICAL SWITCH AND DISPLAY UNIT	AKAO, HIROTAKA
<a href="#">10181240</a>	Not Issued	041	02/05/2003	SCREEN, ITS MANUFACTURING METHOD AND IMAGE DISPLAY SYSTEM	AKAO, HIROTAKA
<a href="#">10764735</a>	Not Issued	030	01/26/2004	FINE PARTICLE STRUCTURE AND OPTICAL MEDIUM	AKAO, HIROTAKA
<a href="#">10839186</a>	Not Issued	095	05/05/2004	OPTICAL SWITCH AND DISPLAY UNIT	AKAO, HIROTAKA

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